

What is claimed is:

1. An electro-hydraulic assembly for use in combination chamber valve deactivation in an internal combustion engine comprising:
  - (a) manifold having an inlet pressure gallery ported to a surface of the manifold in a plurality of supply pressure ports and having a separate control pressure passage associated with each of said ports;
  - (b) a gasket plate formed of electrically non-conductive material and having a plurality of valve bosses spaced on a common side thereof, with each boss defining a valving cavity communicating with an inlet passage and an outlet passage formed in the plate;
  - (c) a plurality of electrical conductors embedded in said plate, each having one end portion thereof exposed and associated with, one of said bosses, and an end remote from said one end terminated for external electrical connection thereto;
  - (d) an electrically operated valve disposed on each of said bosses with the inlet and outlet thereof received in said valving cavity and isolated for communicating respectively with one of said inlet and outlet passages, said valve having an electrical terminal thereon making contact with said one end portion of said adjacent electrical conductor;
  - (e) retaining means operable for securing each of said valves in the respective valving cavity; and,
  - (f) fastening means operable for attaching said gasket plate to said manifold with said inlet passage communicating with said supply port and said outlet passage communicating with said control pressure passage.

2. The assembly defined in claim 1, wherein each of said remote conductor ends is terminated in a common receptacle.
3. The assembly defined in claim 1, wherein said plate has a second boss disposed adjacent each of said valve bosses, with said one end of said conductor exposed on said second boss;
4. The assembly defined in claim 1, wherein one end of said conductor is connected to said valve terminal by plug-in connection when said valve is received in said valving cavity.
5. The assembly defined in claim 1, wherein said gasket plate is formed of plastic material.
6. The assembly defined in claim 1, wherein said gasket plate is formed of plastic material molded over said conductors.
7. The assembly defined in claim 1, wherein said gasket plate has an electrical receptacle thereon with the remote end of each of said electrical leads connected thereto.

8. A method of making a combination gasket, valve and electrical buss assembly for an engine valve deactivation manifold assembly comprising:
  - (a) providing a manifold having an inlet gallery ported to a common surface of the manifold in a plurality of supply pressure ports and having a separate control pressure passage associated with each of said ports;
  - (b) forming a gasket plate of electrically non-conductive material and forming a plurality of valve bosses spaced on a common side thereof and forming a valving cavity in the boss and forming an inlet and outlet passage communicating with the valving cavity;
  - (c) embedding a plurality of electrical conductors in the plate;
  - (d) disposing an electrically operated valve in each of said valving cavities and communicating the inlet and outlet of the valve with the respective inlet and outlet passage;
  - (e) connecting one end of each of said conductors respectively to one of said valves;
  - (f) retaining each of said valves on the respective boss and,
  - (g) attaching said gasket plate to said manifold and communicating said supply pressure port with said inlet passage and said control pressure port with said outlet passage.
9. The method defined in claim 8, wherein said step of connecting one end of said conductor includes making a plug-in connection between a terminal on the valve and said conductor.
10. The method defined in claim 8, wherein said step of forming a gasket plate includes forming a plate of plastic material.
11. The method defined in claim 8, wherein said step of forming a plate includes molding a plate of plastic material.

12. The method defined in claim 8, wherein said step of embedding conductors includes insert molding.
13. The method defined in claim 8, wherein said step of embedding conductors includes extending another end of each of said conductors to a common marginal region of the plate.
14. The method defined in claim 8, wherein said step of retaining said valves includes disposing a common retaining bracket over said gasket plate and securing said bracket in contact with said gasket.
15. The method defined in claim 8, wherein said step of forming a gasket plate includes exposing said one end of said conductor on said boss.